# **WEST Search History**

Hide Items Restore Clear Cancel

DATE: Tuesday, August 17, 2004

Hide?	<u>Set</u> Name	Query	<u>Hit</u> Count
	DB=P	GPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
	L22	117 and (water or (ethylene adj glycol))	19
	L21	L20 and (switch\$4)	7
	L20	L19 and (shield\$4)	8
	L19	L18 not 113	13
	L18	L17 and (flat\$4 or planar or pancake or open or thermal\$2 or heat\$4 or temperature)	26
	L17	L11 and ((magnetic adj resonance) or MRI or NMR)	30
П	L16	L15 and ((magnetic adj resonance) or MRI or NMR)	1
	L15	L14 and (switch\$4)	6
	L14	L13 and (shield\$4)	17
	L13	L12 and (flat\$4 or planar or pancake or open or thermal\$2 or heat\$4 or temperature)	26
	L12	L10 and (transvers\$4 with (gradient or coil))	29
	L11	L9 and (transvers\$4 with (gradient or coil))	58
	L10	L9 and (helix or helical\$2 or spiral\$2)	44
	L9	L8 and ((hollow or tube or cylindrical or cylinder or tubular) with (strip or tape or ribbon or conduct\$4 or electric\$4 or section))	110
	L8	L7 and ((flow\$4 or moving or move or movement or motion or movable or moved or pass or passing or passed) with (fluid\$3 or water or coolant or liquid))	195
	L7	L6 and (flow\$4 or moving or move or movement or motion or movable or moved or pass or passing or passed)	416
	L6	L5 and (wound or winding or coiled or looped)	434
	L5	L4 and (strip or tape or ribbon or conduct\$4 or electric\$4)	869
$\mathbf{m}$	L4	L3 and (fluid\$3 or water or coolant or liquid)	949
	L3	L2 and (transvers\$4)	1519
	L2	L1 and (hollow or tube or cylindrical or cylinder or tubular)	4535
	L1	(gradient with coil)	9741

END OF SEARCH HISTORY

## **Hit List**

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

#### **Search Results** - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 5304933 A

Using default format because multiple data bases are involved.

L16: Entry 1 of 1

File: USPT

Apr 19, 1994

US-PAT-NO: 5304933

DOCUMENT-IDENTIFIER: US 5304933 A

TITLE: Surgical local gradient coil

DATE-ISSUED: April 19, 1994

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Vavrek; Robert M.

Waukesha

WI

Myers; Christopher C.

Milwaukee

WI

US-CL-CURRENT: 324/318; 324/300

itle   Citation   Front   Review:   Classification   Date   Reference	Claims K
Generate Collection Print Fwd Refs Bkwd Refs	Generate
Term	Documents
MAGNETIC	1417947
MAGNETICS	12222
RESONANCE	277454
RESONANCES	16103
MRI	23803
MRIS	325
NMR	135536
NMRS	228
(15 AND (MRI OR (MAGNETIC ADJ RESONANCE) OR NMR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
(L15 AND ((MAGNETIC ADJ RESONANCE) OR MRI OR NMR) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1

### **Hit List**

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

#### Search Results - Record(s) 1 through 26 of 26 returned.

#### 1. Document ID: US 20040140800 A1

Using default format because multiple data bases are involved.

L18: Entry 1 of 26

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040140800

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040140800 A1

TITLE: Nuclear magnetic resonance apparatus and methods for analyzing fluids

extracted from earth formation

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

STATE COUNTRY RULE-47 NAME CITY Madio, David P. Danbury CTUS Kleinberg, Robert L. Ridgefield CTUS Gaylor, Richard W. Brookfield CTUS TXUS Freedman, Robert Houston

US-CL-CURRENT: 324/303; 324/306

Full Title Citation Front Re	view Classification Date Refe	ience   Sequences   Attachma	Nts Claims KMC Draw De

2. Document ID: US 20030098689 A1

L18: Entry 2 of 26

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030098689

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030098689 A1

TITLE: Stabilization of transverse magnetization in superconducting NMR resonators

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Marek, Daniel Moeriken CH

US-CL-CURRENT: 324/318; 324/320, 324/322

Record List Display Page 2 of 11

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims AMC Draw De

3. Document ID: US 20010015646 A1

L18: Entry 3 of 26

File: PGPB

Aug 23, 2001

PGPUB-DOCUMENT-NUMBER: 20010015646

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010015646 A1.

TITLE: Cooled NMR probe head with uniform temperature control of the sample

PUBLICATION-DATE: August 23, 2001

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Marek, Daniel Moeriken CH

US-CL-CURRENT: 324/321; 324/318

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Do

4. Document ID: US 6496007 B1

L18: Entry 4 of 26

File: USPT

Dec 17, 2002

RULE-47

US-PAT-NO: 6496007

DOCUMENT-IDENTIFIER: US 6496007 B1

\*\* See image for Certificate of Correction \*\*

TITLE: MRI apparatus

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Damadian; Jevan East Northport NY
Linardos; John Smithtown NY
Danby; Gordon T. Wading River NY
Damadian; Raymond V. Woodbury NY

US-CL-CURRENT: 324/318; 600/415

5. Document ID: US 6489872 B1

L18: Entry 5 of 26 File: USPT Dec 3, 2002

Page 3 of 11 Record List Display

US-PAT-NO: 6489872

DOCUMENT-IDENTIFIER: US 6489872 B1

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic

resonance

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Fukushima; Eiichi Jackson; Jasper A. Albuquerque Albuquerque NM

US-CL-CURRENT: 335/299; 335/216

Full Title Citation Front Review Classification Date Reference	Claims RWC Draw Do
<b></b>	

МИ

6. Document ID: US 6469508 B1

Oct 22, 2002 L18: Entry 6 of 26 File: USPT

US-PAT-NO: 6469508

DOCUMENT-IDENTIFIER: US 6469508 B1

TITLE: MRI apparatus

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Damadian; Jevan East Northport NY Linardos; John Smithtown NY Danby; Gordon T. Wading River NY Damadian; Raymond V. Woodbury NY

US-CL-CURRENT: <u>324/318</u>; <u>324/322</u>

## Full Title Citation Front Review Classification Date Reference Claims KWC Draw De 7. Document ID: US 6452390 B1

L18: Entry 7 of 26

File: USPT Sep 17, 2002

US-PAT-NO: 6452390

DOCUMENT-IDENTIFIER: US 6452390 B1

TITLE: Magnetic resonance analyzing flow meter and flow measuring method

DATE-ISSUED: September 17, 2002

Record List Display Page 4 of 11

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Wollin; Ernest

Leesburg

FL

US-CL-CURRENT: 324/306; 324/307

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Do

8. Document ID: US 6445186 B1

L18: Entry 8 of 26

File: USPT

Sep 3, 2002

US-PAT-NO: 6445186

DOCUMENT-IDENTIFIER: US 6445186 B1

TITLE: MRI apparatus

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Damadian; Jevan

East Northport

NY

Linardos; John

Smithtown

NY

Danby; Gordon T.

Wading River

NY

Damadian; Raymond V.

Woodbury

NY

US-CL-CURRENT: <u>324/319</u>; <u>324/320</u>

Full Title Citation Front Review Classification Date Reference

9. Document ID: US 6437570 B2

L18: Entry 9 of 26

File: USPT

Aug 20, 2002

US-PAT-NO: 6437570

DOCUMENT-IDENTIFIER: US 6437570 B2

TITLE: Cooled NMR probe head with uniform temperature control of the sample

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Marek; Daniel

Moeriken

CH

US-CL-CURRENT: 324/321; 324/300, 324/322

Full Title Citation Front Review Classification Date Reference Claims KWC DrawsD

10. Document ID: US 6400980 B1

L18: Entry 10 of 26

File: USPT

Jun 4, 2002

US-PAT-NO: 6400980

DOCUMENT-IDENTIFIER: US 6400980 B1

TITLE: System and method for treating select tissue in a living being

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Lemelson; Jerome

Incline Village

NΛ

89451

US-CL-CURRENT: 600/478; 600/104, 604/22

Full Title Citation Front Review Classification Date Reference	Claims KVMC Draw De
	***************************************

11. Document ID: US 6369571 B1

L18: Entry 11 of 26

File: USPT

Apr 9, 2002

COUNTRY

US-PAT-NO: 6369571

DOCUMENT-IDENTIFIER: US 6369571 B1

TITLE: MRI apparatus

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME CITY

Damadian; Jevan East Northport NY
Linardos; John Smithtown NY
Danby; Gordon T. Wading River NY

Damadian; Raymond V.

Woodbury

NY

STATE

ZIP CODE

US-CL-CURRENT: 324/318; 324/319

Full Title Citation Front Review Classification Date Reference	Claims KWC Draw Do

12. Document ID: US 6335623 B1

L18: Entry 12 of 26

File: USPT

Jan 1, 2002

US-PAT-NO: 6335623

DOCUMENT-IDENTIFIER: US 6335623 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: MRI apparatus

Record List Display Page 6 of 11

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

CITY ZIP CODE COUNTRY NAME STATE

East Northport NY Damadian; Jevan Linardos; John Smithtown NY Danby; Gordon T. Wading River NY Damadian; Raymond V. Woodbury NY

US-CL-CURRENT: 324/320; 324/319

Full	Title	Citation   Front   Review   Classification   Date   Reference
~~~~	******	
	13.	Document ID: US 6275039 B1

L18: Entry 13 of 26

Aug 14, 2001 File: USPT

US-PAT-NO: 6275039

DOCUMENT-IDENTIFIER: US 6275039 B1

TITLE: Magnetic resonance pre-polarization apparatus

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

GB Young; Ian Robert Marlborough GB Bath Eastham; John Frederick

US-CL-CURRENT: 324/319; 324/300, 324/306, 324/307, 324/309, 324/318

	itle Bration Front Review Classification Later Seterence	Liaims Kubil Diam De
*********************		
<b>□</b> 14	4. Document ID: US RE36782 E	

L18: Entry 14 of 26

File: USPT Jul 18, 2000

US-PAT-NO: RE36782

DOCUMENT-IDENTIFIER: US RE36782 E

\*\* See image for Certificate of Correction \*\*

TITLE: Magnet assembly for use in NMR apparatus

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Brown; Ian J. GB Oxon Bird; John M. GB Oxon McDougall; Ian L. GB Oxon

Black; David

Oxon

GB

US-CL-CURRENT: 335/216

Full Title Citation Front Review Classification Date Reference Claims KNAC Draw, D

15. Document ID: US 5886548 A

L18: Entry 15 of 26

File: USPT

Mar 23, 1999

US-PAT-NO: 5886548

DOCUMENT-IDENTIFIER: US 5886548 A

TITLE: Crescent gradient coils

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME

CITY

STATE

File: USPT

ZIP CODE

COUNTRY

Jun 30, 1998

Doty; F. David

Columbia

SÇ

Wilcher; James K.

Columbia

SC

US-CL-CURRENT: 324/318

L18: Entry 16 of 26

Full Title Citation Front Review Classification Date Retained Claims RMC Draw Do

US-PAT-NO: 5774032

DOCUMENT-IDENTIFIER: US 5774032 A

TITLE: Cooling arrangement for a superconducting coil

DATE-ISSUED: June 30, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Herd; Kenneth Gordon Niskayuna NY Laskaris; Evangelos Trifon Schenectady NY

US-CL-CURRENT: 335/216; 310/261, 310/52, 310/54, 505/877, 505/878, 505/879

Full Title Citation Front Review: Classification Date Reference Claims KWC Draw Do

17. Document ID: US 5757187 A

L18: Entry 17 of 26

File: USPT

May 26, 1998

Record List Display Page 8 of 11

US-PAT-NO: 5757187

DOCUMENT-IDENTIFIER: US 5757187 A

TITLE: Apparatus and method for image formation in magnetic resonance utilizing

weak time-varying gradient fields

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Wollin; Ernest

Leesburg

FL

US-CL-CURRENT: 324/306; 324/318

Full Title Citation Front Review Classification Date Reference Communication Communication Date Reference

18. Document ID: US 5642087 A

L18: Entry 18 of 26

File: USPT

Jun 24, 1997

Apr 19, 1994

US-PAT-NO: 5642087

DOCUMENT-IDENTIFIER: US 5642087 A

TITLE: Generating highly uniform electromagnetic field characteristics

DATE-ISSUED: June 24, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

File: USPT

ZIP CODE

COUNTRY

Crow; James T.

Albuquerque

NM

US-CL-CURRENT: <u>335/216</u>; <u>324/318</u>, <u>335/299</u>

Full Title Ciation Front Review Classication Cate Retrience Claims KWC Disw. 0.

US-PAT-NO: 5304933

L18: Entry 19 of 26

DOCUMENT-IDENTIFIER: US 5304933 A

TITLE: Surgical local gradient coil

DATE-ISSUED: April 19, 1994

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Vavrek; Robert M. Waukesha WI Myers; Christopher C. Milwaukee WI

Page 9 of 11 Record List Display

US-CL-CURRENT: 324/318; 324/300

Full Title Citation Front Review Classification Date Reference Claims KMC Drawi, De

20. Document ID: US 5233991 A

L18: Entry 20 of 26

File: USPT

Aug 10, 1993

US-PAT-NO: 5233991

DOCUMENT-IDENTIFIER: US 5233991 A

\*\* See image for Certificate of Correction \*\*

TITLE: Method and apparatus for estimating oxygen saturation of blood using

magnetic resonance

DATE-ISSUED: August 10, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Wright; Graham A.

Palo Alto

CA

US-CL-CURRENT: 600/410; 600/419

Full Title Chation Front Review Classication Date Reference Claims SUIC Discussor

21. Document ID: US 4901018 A

L18: Entry 21 of 26

File: USPT

Feb 13, 1990

US-PAT-NO: 4901018

DOCUMENT-IDENTIFIER: US 4901018 A

TITLE: Nuclear magnetic resonance net organic flowmeter

DATE-ISSUED: February 13, 1990

INVENTOR-INFORMATION:

NAME CITY STATE

ZIP CODE

COUNTRY

Lew; Hyok S.

Arvada

CO

80005

US-CL-CURRENT: 324/306; 324/303

Full Title Citation Front Review Classification: Date Reference Claims KMC Draw De

22. Document ID: US 4748429 A

L18: Entry 22 of 26

File: USPT

May 31, 1988

US-PAT-NO: 4748429

DOCUMENT-IDENTIFIER: US 4748429 A

Record List Display Page 10 of 11

TITLE: Solenoidal magnet with homogeneous magnetic field

DATE-ISSUED: May 31, 1988

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

FR Aubert; Guy Grenoble

US-CL-CURRENT: 335/299; 324/320, 335/300

Full Title Citation Front Review Classification Date Reference Claims KNIC Draw De 23. Document ID: US 4516404 A L18: Entry 23 of 26 File: USPT May 14, 1985

US-PAT-NO: 4516404

DOCUMENT-IDENTIFIER: US 4516404 A

TITLE: Foam filled insert for horizontal cryostat penetrations

DATE-ISSUED: May 14, 1985

INVENTOR-INFORMATION:

ZIP CODE NAME CITY STATE COUNTRY

Laskaris; Evangelos T. Schenectady NY

US-CL-CURRENT: 62/51.1; 220/901

Full Title Citation Front Review Classification Date Reference Claims FOOC Draws De 24. Document ID: US 4509030 A File: USPT Apr 2, 1985

US-PAT-NO: 4509030

L18: Entry 24 of 26

DOCUMENT-IDENTIFIER: US 4509030 A

TITLE: Correction coil assembly for NMR magnets

DATE-ISSUED: April 2, 1985

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME

Vermilyea; Mark E. Schenectady NY

US-CL-CURRENT: 335/216; 324/320, 335/299, 505/879

Full Title Citation Front Review Classification Date Reference Claims KWC Draw De

Record List Display Page 11 of 11

25. Document ID: US 4475084 A

L18: Entry 25 of 26 File: USPT Oct 2, 1984

US-PAT-NO: 4475084

DOCUMENT-IDENTIFIER: US 4475084 A

TITLE: Nuclear magnetic resonance detector

DATE-ISSUED: October 2, 1984

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Moore; William S. Mapperley Park GB2

Hawkes; Robert C. Bramcote GB2

Holland; Geoffrey N. Chagrin Falls OH

US-CL-CURRENT: 324/309; 324/307

Full Title Citation Front Review Classification Date Reference

### **Hit List**

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

**Search Results -** Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20030098689 A1

Using default format because multiple data bases are involved.

L21: Entry 1 of 7

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030098689

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030098689 A1

TITLE: Stabilization of transverse magnetization in superconducting NMR resonators

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Marek, Daniel

Moeriken

CH

US-CL-CURRENT: 324/318; 324/320, 324/322

Full Title Citation Front Review Classification Date Reference Sequences Attachir	nento Claims KWC Draw.De

2. Document ID: US 6489872 B1

L21: Entry 2 of 7

File: USPT

Dec 3, 2002

US-PAT-NO: 6489872

DOCUMENT-IDENTIFIER: US 6489872 B1

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic

resonance

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Fukushima; Eiichi

Albuquerque

NM

Jackson; Jasper A.

Albuquerque

NM

US-CL-CURRENT: 335/299; 335/216

Full Title Citation Front Review Classification Date Reference

3. Document ID: US 6275039 B1

L21: Entry 3 of 7

File: USPT

Aug 14, 2001

US-PAT-NO: 6275039

DOCUMENT-IDENTIFIER: US 6275039 B1

TITLE: Magnetic resonance pre-polarization apparatus

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME

Young; Ian Robert Marlborough

Eastham; John Frederick Bath GB

US-CL-CURRENT: 324/319; 324/300, 324/306, 324/307, 324/309, 324/318

Claims KooC Draw Da Full Title Citation Front Review Classification Date Reference

1 4. Document ID: US RE36782 E

L21: Entry 4 of 7

File: USPT

Jul 18, 2000

US-PAT-NO: RE36782

DOCUMENT-IDENTIFIER: US RE36782 E

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Magnet assembly for use in  $\underline{NMR}$  apparatus

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY NAME CITY GB Brown; Ian J. Oxon Bird; John M. GB Oxon GB McDougall; Ian L. Oxon Black; David Oxon GB

US-CL-CURRENT: 335/216

Full Title Citation Front Review Classification: Date Reference Claims KMC Draw. Dr

5. Document ID: US 5886548 A

L21: Entry 5 of 7

File: USPT

Mar 23, 1999

US-PAT-NO: 5886548

DOCUMENT-IDENTIFIER: US 5886548 A

TITLE: Crescent gradient coils

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Doty; F. David

Columbia

SC

Wilcher; James K.

Columbia

sc

US-CL-CURRENT: 324/318

Full Title Citation Front Review Classification Date Reference Claims AMC Draw Do

6. Document ID: US 5642087 A

L21: Entry 6 of 7

File: USPT

Jun 24, 1997

US-PAT-NO: 5642087

DOCUMENT-IDENTIFIER: US 5642087 A

TITLE: Generating highly uniform electromagnetic field characteristics

DATE-ISSUED: June 24, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Crow; James T.

Albuquerque

NM

US-CL-CURRENT: 335/216; 324/318, 335/299

Full Title Citation Front Review Classification Data Reference